



PATENT
Attorney Docket No. RIB-005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Steitz et al.
SERIAL NO.: 10/072,634 GROUP NO.: 1631
FILING DATE: February 8, 2002 EXAMINER: Channing Mahatan
TITLE: Ribosome Structure and Protein Synthesis Inhibitors

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☐ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☒ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☒ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:


- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Date: May 19, 2004
Reg. No. 38,678

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Respectfully submitted,



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FORM PTO - 1449				ATTORNEY DOCKET NO.: RIB-005					
SUPPLEMENTAL INFORMATION				APPLICANTS: Steitz <i>et al.</i>					
DISCLOSURE STATEMENT				SERIAL NO.: 10/072,634					
				FILING DATE: February 8, 2002					
				GROUP: 1631					
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Place of Publication, Relevant Pages, Date)								
	C116	Hansen, <i>et al.</i> (2003) "Structures of Five Antibiotics Bound at the Peptidyl Transferase Center of the Large Ribosomal Subunit," <u>J. Mol. Biol.</u> 330:1061-1075							
EXAMINER					DATE CONSIDERED				

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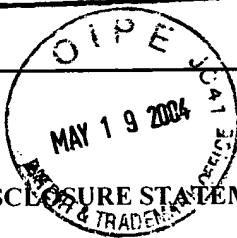
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SHEET 1 OF 2

FORM PTO - 1449

SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: RIB-005

APPLICANTS: Steitz *et al.*

SERIAL NO.: 10/072,634

FILING DATE: February 8, 2002

GROUP: 2683

U.S. PATENT DOCUMENTS

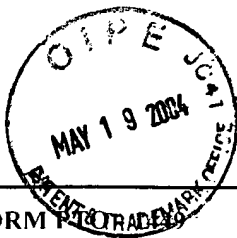
EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	US-2002-0022257 A1	2/21/02	Suh <i>et al.</i>			
	A2	US-2002-0188108 A1	12/12/02	Noller <i>et al.</i>			
	A3	US-2003-0027315 A1	02/06/03	Yonath <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAM INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N

OTHER ART, JOURNAL ARTICLES, ETC.

EXA M. INIT.	OTHER DOCUMENTS: (Including Author, Title, Place of Publication, Relevant Pages, Date)								
	C89	Hansen <i>et al.</i> , "Structural Insights Into Peptide Bond Formation," <u>Proc. Natl. Acad. Sci. USA</u> , 99(18):11670-11675 (2002).							
	C90	Hansen <i>et al.</i> , "The Structures of Four Macrolide Antibiotics Bound to the Large Ribosomal Subunit," <u>Molecular Cell</u> , 10:117-128 (2002).							
	C91	Klein <i>et al.</i> , "The Kink-Turn: A New RNA Secondary Structure Motif," <u>EMBO J.</u> , 20(15):4214-4221 (2001).							
	C92	Nissen <i>et al.</i> , "RNA Tertiary Interactions in the Large Ribosomal Subunit: The A-Minor Motif," <u>Proc. Natl. Acad. Sci. USA</u> , 98(9):4899-4903 (2001).							
	C93	Schmeing, <i>et al.</i> , "A Pre-Translocational Intermediate in Protein Synthesis Observed in Crystals of Enzymatically Active 50S Subunits," <u>Nature Struct. Biol.</u> , 9(3):225-230 (2002).							
	C94	Drenth, "Principles of Protein X-ray Crystallography," 1994. Springer-Verlag, pgs. 1-18.							
EXAMINER					DATE CONSIDERED				



FORM P SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: RIB-005 APPLICANTS: Steitz <i>et al.</i> SERIAL NO.: 10/072,634 FILING DATE: February 8, 2002 GROUP: 2683					
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OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Place of Publication, Relevant Pages, Date)								
	C95	Franceschi <i>et al.</i> (1993) "Towards Atomic Resolution of Prokaryotic Ribosomes: Crystallographic, Genetic and Biochemical Studies" in <u>The Translational Apparatus</u> 397-410.							
	C96	Hope <i>et al.</i> (1989) "Cryocrystallography of Ribosomal Particles" <u>Acta. Cryst.</u> B45: 190-199.							
	C97	Shevack <i>et al.</i> (1985) "Characterization and Crystallization of Ribosomal Particles from <i>Halobacterium Marismortui</i> " <u>FEBS LETTERS</u> 184(1): 68-71.							
	C98	Yonath <i>et al.</i> (1980) "Crystallization of the Large Ribosomal Subunits from <i>Bacillus Stearothermophilus</i> " <u>Biochem. Intern'l.</u> 1(5): 428-435.							
	C99	Yonath <i>et al.</i> (1984) "Some X-ray Diffraction Patterns from Single Crystals of the Large Ribosomal Subunit from <i>Bacillus Stearothermophilus</i> " <u>J. Mol. Biol.</u> 177: 201-206.							
	C100	Yonath <i>et al.</i> (1988) "Crystallography of Ribosomal Particles" <u>J. Cryst. Growth</u> 90: 231-244.							
EXAMINER					DATE CONSIDERED				

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